

Title (en)
Earphone microphone

Title (de)
Kopfhörmikrofon

Title (fr)
Microphone d'écouteur

Publication
EP 2770747 A3 20140917 (EN)

Application
EP 14154163 A 20140206

Priority
• JP 2013030790 A 20130220
• JP 2013153017 A 20130723

Abstract (en)
[origin: EP2770747A2] An earphone microphone (1) includes a single speaker (21), a microphone (22) having first and second sound input holes (221, 222), and a main body casing (23) in which an acoustic space is formed. The acoustic space includes a sound output path (232) in which output sound propagates, a first sound input path (233) communicating with outside, in which sound to be input to the first sound input hole (221) propagates, and a second sound input path (234) in which sound to be input to the second sound input hole (222) propagates. The sound output path (232) branches into one path communicating with outside of the main body casing (23) and the other path communicating with the second sound input path (234). Input sound from a sound source outside the main body casing (23) is input while input of output sound is suppressed by acoustic resistance of the acoustic space.

IPC 8 full level
H04R 1/08 (2006.01); **H04R 1/10** (2006.01); **H04R 1/38** (2006.01)

CPC (source: EP US)
H04R 1/1016 (2013.01 - EP US); **H04R 1/1083** (2013.01 - EP US); **H04R 1/38** (2013.01 - EP US); **H04R 2201/107** (2013.01 - EP US)

Citation (search report)
• [X] WO 2012102464 A1 20120802 - SHIN DOO SIK [KR] & US 2013315415 A1 20131128 - SHIN DOO SIK [KR]
• [X] US 2013034239 A1 20130207 - SHIN DOO SIK [KR]
• [A] D'AMICO P M ET AL: "THE NEW NOISE-CANCELING ELECTRET COMMUNICATION DEVICES", JOURNAL OF THE AUDIO ENGINEERING SOCIETY, AUDIO ENGINEERING SOCIETY, NEW YORK, NY, US, vol. 24, no. 2, 1 March 1976 (1976-03-01), pages 117 - 120, XP000795262, ISSN: 1549-4950

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2770747 A2 20140827; EP 2770747 A3 20140917; JP 2014187679 A 20141002; US 2014233749 A1 20140821

DOCDB simple family (application)
EP 14154163 A 20140206; JP 2013153017 A 20130723; US 201414175003 A 20140207